

FIGURE 1

Human CHK1 cDNA and predicted amino acid sequences

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ggcc gga cag tcc gcc gag gtg ctc ggt gga gtc atg gca gtg ccc ttt gtg gaa gac tgg
      M A V P F V E D W
gac ttg gtg caa acc ctg gga gaa ggt gcc tat gga gaa gtt caa ctt gct gtg aat aga
D L V Q T L G E G A Y G E V Q L A V N R
gta act gaa gaa gca gtc gca gtc aag att gta gat atg aag cgt gcc gta gac tgc cca
V T E E A V A V K I V D M K R A V D C P
gaa aat att aag aaa gag atc tgt atc aat aaa atg cta aat cat gaa aat gta gta aaa
E N I K K E I C I N K M L N H E N V V K
ctc tat ggt cag agg aga gaa ggc aat atc caa tat tta ttt ctg gag tac tgt agt gga
F Y G H R R E G G N I Q Y L F L E Y C S G
gga gag ctt ttt gac aga ata gag cca gac ata ggc atg cct gaa cca gat gct cag aga
G E L F D R I E P D I G M P E P D A Q R
ttc ttc cat caa ctc atg gca ggg gtg gtt tat ctg cat ggt att gga ata act cac agg
F F H Q L M A G V V Y L H G I G I T H R
gat att aaa cca gaa aat ctt ctg ttg gat gaa agg gat aac ctc aaa act tca gac ttt
D I K P E N L L D E R D N L K I S D F
ggc ctg gca aca gta ttt cgg tat aat aat cgt gat cgt ttg ttg aac aag atg tgt ggt
G L A T V F R Y N N R E R L L N K M C G
act tta cca tat gtt gct cca gaa ctt ctg aag aga aga gaa ttt cat gca gaa cca gtt
L P Y V A P E L L K R R E F H A E P V
gat gtt tgg tct tgt gga ata cta ctt act gca atg ctc gct gga gaa ttg cca tgg gac
D V W S C G I V L T A M L A G E L P W D
gaa ccc agt gac agc tgt cag gag tat tct gac tgg aaa gaa aaa aca tca ctc aac
P S D S C Q E Y S D W K E K K T Y L N
cct tgg aaa aaa atc gat tct gct cct cta gct ctg ctg cat aaa atc tta gtt gag aat
W K K I D S A P L A L L H K I L V E N
tcca tca gca aga att acc att cca gac atc aaa aal gat aga tgg tac aac aaa ccc ctc
P S A R I T I P D I K K D R W Y N K P L
aag aaa ggg gca aaa agg ccc cga gtc act tca ggt ggt tca gag tct ccc agt gga
K K G A K R P R V T S G G V S E S P S G
att tct aag cac att caa tcc aat ttg gac ttc tct cca gta aac agt gct tct agt gaa
P S K H I Q S N L D F S P V N L S A S S E
gaa aat gtg aag tac tcc agt tct cag cca gaa ccc cgc aca ggt ctt tcc tta tgg gat
E N V K Y S S S Q P E P R T G L S L W D
acc agc ccc tca tac att gat aaa ttg gta caa ggg atc agc ttt tcc cag ccc aca tgt
T S P S Y I D K L V Q G I S F S Q P T C
cct gat cat atg ctt ttg aat agt cag tta ctt ggc acc cca gga tcc tca cag aac ccc
P D H K L L N S Q L L G T P G S S Q N P
tgg cag cgg ttg gtc aaa aga atg aca cga ttc ttt acc aaa ttg gat gca gac aaa tct
W Q R L V K R M T R F F T K L D A D K S
tat caa tgc ctg aaa gag act tgt gag aag ttg ggc tat caa tgg aag aag agt tgt atg
Y Q C L K E T C E K L G Y Q W K K S C M
aat cag gtt act ata tca aca act gat agg aga aac aat aaa ctc att tta aaa gtc aat
N Q V T I S T T D R R N N K L I F K V N
ttg tta gaa atg gat gat aaa ata ttg gtt gac ttc cgg ctt tct aag ggt gat gga ttg
L L E M D D K I L V D F R L S K G D G L
gag ttt aag aga ctc ctg aag att aaa ggg aag ctg att gat att gtc agc agc cag
E F K R H F L K I K G K L I D I V S S Q
aag gtt tgg ctt cct gcc aca tga tgc gac cat cgg ctc tgg gga atc ctg gtc aat ata
K V W L P A T
gtg ctg cta tgt tga cat tat tct tcc tag aga aga tta tcc tgt cct gca aac tgc aaa
tag tag ttc ctg aag tgt tca ctt ccc tgt tta tcc aaa cat ctt cca att tat ttt gtt
tgt tgc gca tcc aaa taa tac cta tat ctt aat tgt aag caa aat ttc ggc gaa agg atg
aaa aga ttc cat ttg att att tct tca tgt gtg ttt agt atc tga att tga aac tca tct
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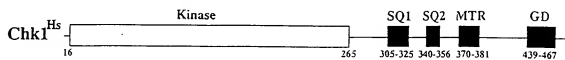
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FIGURE 2

Mouse CHK1 cDNA and predicted amino acid sequences

gctt gtc gct gcg ctt gga gtc atg gca gtg cct ttt gtg gaa gac tgg gat ttg gtg caa
M A V P F V E D W D L V Q
act ttg gga gaa ggt gcc tat gga gaa gtt caa ctt gct gtg aat aga ata act gaa caa
T L G E G A Y G E V Q L A V N R I T E Q
gct gtt gca gtg aaa att gta gac atg aag cgg gcc ata gac tgt cca caa aat att aag
A V A V K I V D M K R A I D C P Q N I K
aaa gag atc tgc att aat aaa atg tta agc cac gag aat gta gtg aaa ttc tat ggc cac
K E I C I N K M L S H E N V V K F Y G H
agg agg gaa ggc cat atc cag tat ctg ttt ctg gag tac tgt agt gga gaa ctt ttc
R R E G H I Q Y L F L E Y C S G G E L F
gat aga att gag cca gac ata ggg atg cct gaa caa gat gct cag agg ttc ttc cag caa
D R I E P D I G M P E Q D A Q R F F H Q
ctc atg gca ggg gtg gtt tat ctt cat gga att gga ata act cag agg gat att aaa cca
L M A G V V Y L H G I G I T H R D I K P
gaa aac ctc ctc ttg gat gaa agg gat aac ctc aaa atc tct gac ttt ggc ttg gca acg
E N L L L D E R D N L K I S D F G L A T
gta ttt cgg cat aat aat cgt gaa cgc tta ctg aac aag atg tgt ggg act tta ctt tat
V F R H N N R E R L L N K M C G T L P Y
gtt gct ccg gag ctt cta aag aga aaa gaa ttt cat gca gaa cca gtt gat gtt tgg tcc
W A P E L L K R K E F H A E P V D V W S
tgt gga ata gta ctt act gca atg ttg gct gga gaa ttg ccg tgg gac cag ccc agt gat
G I V L T A M L A G E L P W D Q P S D
agc tgt cag gaa tat tct gat tgg aaa gaa aaa aaa acc tat ctc aat cct tgg aaa aaa
C Q E Y S D W K E K K T Y L N P W K K
att gat tct gct cct ctg cgt ttg ctt cat aaa att cta gtt gac act cca tca cca agg
D S A P L A L L H K I L V E T P S A R
ctc acc atc cca gag att aag aaa gat aga tgg tac aac aaa cca ctt aac aga gga gca
T I P D I K K D R W Y N K P L N R G A
aag agg cca cgc gcc aca tca ggt ggt atg tca gag tct tct agt gga ttc tct aag cac
R P R A A T S G G M S E S S G F S K H
att cat tcc aat ttg gac ttt tct cca gta aat aat ggt tcc agt gaa gaa acc gtt aag
H S N L D F S P V N N G S S E E T V K
ctc tct agt tcc cag cca gag ccg aga aca ggg ctt tcc ttg tgg gac act ggt ccc tgc
S S S Q P E P R T G L S L W D T G P S
aac gtg gac aaa ctg gtt cag ggc atc agt ttt tcc cag cct acg tgt cct gag cat atg
N V D K L V Q G I S F S Q P T C P E H M
ctt gta aac agt cag tta ctc ggt acc cct gga ttt tca cag aac ccc tgg cag cgc ttg
L V N S Q L L G T P G F S Q N P W Q R L
gtc aaa agg atg aca cga ttc ttt act aaa ttg gat gcg gac aaa tct tac caa tgc ctg
V K R M T R F F T K L D A D K S Y Q C L
aaa gag acc ttc gag aag ttg ggc tat cag tgg aag aag atg tgt agt aat cag gtt act
K E T F E K L G Y Q W K K S C M N Q V T
gta tca aca act gat aga aac aat aag ttg att ttc aaa ata aat ttg gta gaa atg
V S T T D R R N N K L I F K I N L V E M
gat gag aag ata ctg gtt gac ttc cga ctt tct aag ggt gat gga tta gag ttc aag aga
D E K I L V D F R L S K G D G L E F K R
cac ttc ctg aag att aaa ggg aag ctc agc gat gtt gtg agc agc gag gtt tgy ttt
H F L K I K G K L S D V V S S Q K V W F
cct gtt aca tga gga aac tgt cag ctc tgc aca ttc ctg gcg aat aga gtg ctg cta tgt
P V T
gac att ttt ctt cct aga gaa gat tat cta ttc tgc aaa ctg aca ata gct gtt gaa
gag ttc tct tcc cat tac cca aac atc ttc cga ttt gta gtg ttt ggc ata cca ata cta
atg cat ttt aat tgt atg taa tgc ttt ggg gaa agg atg gat caa att cat tag gta ttt
gtc cag ctg tct tta aat tgt ctg gat ttg aaa cca agt tat ggg ata ctt gag ttt gcc
agg ttt tca acc cat gta gta gta tca ctt tgc aaa aat caa aag cct gtt tca tcc caa
gca aaa tat tct ctt ctc tgc cta ttt aat tgt aag gat gaa taa aca cag acc ata tac
agt tga ttg gtt cat gaa tga ggc cag cca caa aaa tgc gta tgt taa tgt atg tac tgt
att ttc agt tgs ggt ata tgt gct gca caa ggg ctt gac ca

FIGURE 3



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FIGURE 5

A.

Human

Spleen
Thymus
Prostate
Testis
Ovary
Small Intestines
Colon
B Leukocytes

2.4 kb —



Mouse

Heart
Brain
Spleen
Liver
Skeletal muscle
Kidney
Testis

2.4 kb —

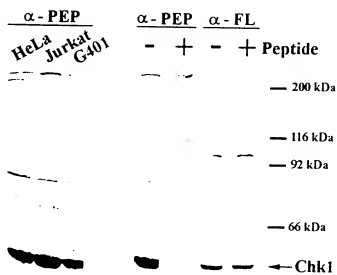


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FIGURE 6

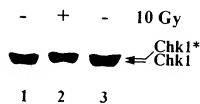


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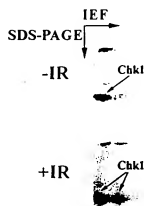


FIGURE 7

A.



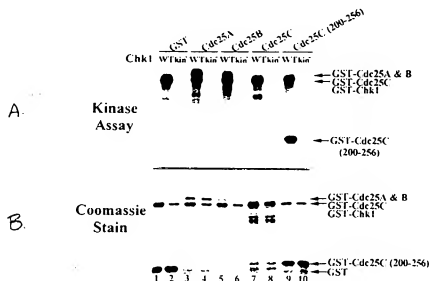
B.



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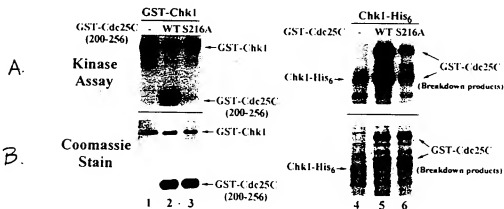
FIGURE 8



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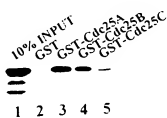
FIGURE 9



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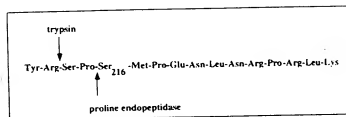
FIGURE 10



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FIGURE 11

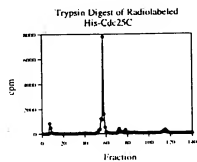


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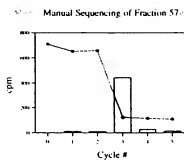


FIGURE 12

A



B.



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